

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Peter Nangle Art Unit : 2824  
Serial No. : 10/043,993 Examiner : Andrew Q. Tran  
Filed : January 9, 2002 Assignee : Intel Corporation  
Title : PHASE-CHANGE MEMORY DEVICE CAPABLE OF PREPROGRAMMING  
MEMORY CELLS OPTICALLY AND READING/WRITING MEMORY  
CELLS ELECTRICALLY (AS AMENDED)

**MAIL STOP ISSUE FEE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Notice of Allowance Date: May 30, 2006

RESPONSE TO NOTICE OF ALLOWANCE

In response to the Notice of Allowance mailed May 30, 2006,  
enclosed is a completed issue fee transmittal form PTOL-85b.

The Issue and Publication fees in the amount of \$1700 are  
being paid concurrently herewith on the Electronic Filing System  
(EFS) by way of Deposit Account authorization. Please apply any  
other charges or credits to Deposit Account No. 06-1050.

COMMENTS ON EXAMINER'S REASONS FOR ALLOWANCE

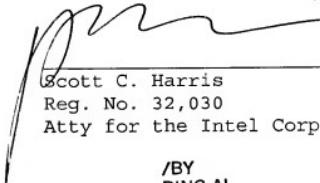
It is agreed that the limitations recited in the examiner's  
Reasons for Allowance are not taught or suggested by the art of  
record, and that the allowed independent claim 30 is  
distinguished from the cited prior art for at least the reasons  
stated in the Reasons for Allowance. Applicants do not concede  
that the stated reasons are the only grounds for patentability  
of the allowed claims, that the limitations excluded from the  
Reasons for Allowance are taught or suggested by the art of  
record, or that all of the limitations are necessary for  
patentability of the allowed claims or other claims directed to  
the disclosed subject matter. For example, other claims

Applicant : Peter Nangle  
Serial No. : 10/043,993  
Filed : January 9, 2002  
Page : 2

Attorney's Docket No.: 10559-  
512001 / P12416

including different limitations are patentable over the cited prior art.

Respectfully submitted,



\_\_\_\_\_  
Scott C. Harris  
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Atty for the Intel Corporation

Date:August 1, 2006

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## PART B – FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE  
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**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note Legibly mark-up with any corrections or use Block 1)

20985                  7590                  05/30/2006

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/043,993	01/09/2002	Peter Nangle	10559-512001/P12416	8075

TITLE OF INVENTION: **NON-VOLATILE MEMORY AND PROGRAMMING METHOD THEREFOR PHASE-CHANGE MEMORY DEVICE CAPABLE OF PREPROGRAMMING MEMORY CELLS OPTICALLY AND READING/WRITING MEMORY CELLS ELECTRICALLY (AS AMENDED)**

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	08/30/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
TRAN, ANDREW Q.	2824	365-163000

- Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
  - [ ] Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
  - [ ] "Fee Address" indication (or "Fee Address" indication form PTO/SB/47, Rev 03-02 or more recent) attached. Use of a Customer Number is required.
- ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)
 

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE  
Intel Corporation

(B) RESIDENCE (CITY AND STATE OR COUNTRY)  
Santa Clara, CA

Please check the appropriate assignee category or categories (will not be printed on the patent):  individual  corporation or other private group entity  government

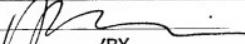
- The following fee(s) are enclosed:
 

[X] Issue Fee	4b. Payment of Fee(s): <table border="0"> <tr> <td><input type="checkbox"/> A check in the amount of the fee(s) is enclosed.</td> </tr> <tr> <td><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</td> </tr> <tr> <td><input checked="" type="checkbox"/> The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 06-1050. (enclose an extra copy of this form).</td> </tr> </table>	<input type="checkbox"/> A check in the amount of the fee(s) is enclosed.	<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.	<input checked="" type="checkbox"/> The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 06-1050. (enclose an extra copy of this form).
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[X] Publication Fee (No small entity discount permitted)				
[ ] Advance Order - # of Copies _____				

- Change in Entity Status (from status indicated above)
 

[ ] A. Applicant claims SMALL ENTITY status. See 37 CFR 1.2.7.	[ ] b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).
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The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered agent or; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

(Authorized Signature) 	(Date) _____	August 1, 2006
Typed or Printed Name <u>Scott C. Harris</u>	/BY	Registration No. <u>32,030</u>

This collection of information is required by 37 CFR 1.36. Submission of this information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. §§ 1.10, 1.11, 1.12, 1.13, 1.14, 1.15, 1.16, 1.17, 1.18, 1.19, 1.20, 1.21, 1.22, 1.23, 1.24, 1.25, 1.26, 1.27, 1.28, 1.29, 1.30, 1.31, 1.32, 1.33, 1.34, 1.35, 1.36, 1.37, 1.38, 1.39, 1.40, 1.41, 1.42, 1.43, 1.44, 1.45, 1.46, 1.47, 1.48, 1.49, 1.50, 1.51, 1.52, 1.53, 1.54, 1.55, 1.56, 1.57, 1.58, 1.59, 1.60, 1.61, 1.62, 1.63, 1.64, 1.65, 1.66, 1.67, 1.68, 1.69, 1.70, 1.71, 1.72, 1.73, 1.74, 1.75, 1.76, 1.77, 1.78, 1.79, 1.80, 1.81, 1.82, 1.83, 1.84, 1.85, 1.86, 1.87, 1.88, 1.89, 1.90, 1.91, 1.92, 1.93, 1.94, 1.95, 1.96, 1.97, 1.98, 1.99, 1.100, 1.101, 1.102, 1.103, 1.104, 1.105, 1.106, 1.107, 1.108, 1.109, 1.110, 1.111, 1.112, 1.113, 1.114, 1.115, 1.116, 1.117, 1.118, 1.119, 1.120, 1.121, 1.122, 1.123, 1.124, 1.125, 1.126, 1.127, 1.128, 1.129, 1.130, 1.131, 1.132, 1.133, 1.134, 1.135, 1.136, 1.137, 1.138, 1.139, 1.140, 1.141, 1.142, 1.143, 1.144, 1.145, 1.146, 1.147, 1.148, 1.149, 1.150, 1.151, 1.152, 1.153, 1.154, 1.155, 1.156, 1.157, 1.158, 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